# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Sunday 05 Sep 2021 until 23:59 on Monday 06 Sep 2021

Forecast Issued on Saturday 04 Sep 2021 at 13:45

**Confidence:** High for the main story but moderate for cloud amounts and timings of clearance. Low for the timing and intensity of the rain on Wednesday night.

**Headline for Sunday 05 Sep 2021:** Brightening up after a cloudy start, with sunny spells later.

**Mountain weather hazards on Sunday 05 Sep 2021**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy Snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>High Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>Low Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| FOG | | | | | | | |
| Fog | Dull | Dull | Cloudy | Sunny intervals | Sunny | Sunny | Cloudy |
| Precipitation probability | | | | | | | |
| 20% | 20% | 20% | 10% | <05% | 00% | 00% | 10% |

**Forecast for Sunday 05 Sep 2021**

**Weather:** Overcast tonight, with cloud lowering below summits, perhaps accompanied by the odd spot of drizzle. The cloud will steadily lift and break after dawn, particularly in western parts where sunny spells will develop rapidly. It'll take a little longer in the east but all areas will eventually end up with plenty of sunshine, though hazy at times. The cloud will become somewhat thicker during the evening but it'll stay dry.

**Chance of cloud free mountain/hill tops above 600m:** 30% in the west but only 05-10% in the east initially. Increasing to 95% or more at the end of the morning.

**Visibility:** Poor on the summits with cloud base 300-400m, steadily improving to become very good in the afternoon, with excellent surrounding views.

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**Forecast for Sunday 05 Sep 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 14/20 SE | 14/20 SE | 13/19 SE | 12/17 SE | 9/15 SE | 9/13 S | 9/13 S | 11/15 S | 12/18 S |
| **300** | 11/20 SE | 9/18 SE | 9/18 SE | 9/15 SE | 8/13 SE | 8/12 SE | 5/10 SE | 8/14 SE | 9/15 S |
| **Valley** | 8/16 E | 8/16 SE | 7/15 E | 7/13 SE | 7/13 SE | 7/12 S | 5/11 SE | 5/13 SE | 6/13 SE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 10/8 | 10/8 | 10/8 | 11/9 | 14/13 | 16/14 | 15/14 | 15/13 | 15/13 |
| **300** | 13/11 | 12/10 | 12/10 | 14/13 | 17/16 | 19/18 | 18/18 | 17/16 | 17/15 |
| **Valley** | 13/12 | 13/11 | 12/11 | 16/14 | 19/18 | 20/19 | 19/19 | 17/17 | 17/17 |
| **Freezing Level*** | 2200m | 2600m | 2700m | 2900m | 2900m | 2900m | 3000m | 3400m | 3500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Perfect conditions for a long walk, though a sun hat is recommended, along with plenty of water.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Fri 03 Sep 2021 | 0.6mm | 0.6mm | 1.4mm |

**Forecast for Monday 06 Sep 2021**

**Weather:** Mostly cloudy throughout the day, with the odd spot of rain possible early morning. Any sunny spells will tend to be brief and confined to the east.

**Maximum wind:** South to southwest 10mph with gusts 15mph.

**Chance of cloud free mountain/hill tops above 600m:** 20% becoming 70%.

**Visibility:** Poor on western slopes and summits, with cloud base 100-200m. Improving through the morning, with cloud lifting to 300-400m and any good visibility confined to the east.

**Temperature:** **Valleys:** Plus 12 Celsius increasing to 22 Celsius.
**At 600m:** Plus 12 Celsius increasing to 18 Celsius.
**Freezing level:** Above summits.

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